

# M A R C H

at the

## CALIFORNIA ACADEMY OF SCIENCES

### MARCH MEETING

Date: Tuesday, March 14, 8:15 p.m.  
Place: Morrison Auditorium  
Speaker: Dr. Carl Eklund  
Subject: "THE PENGUIN EGG & IGY"

Dr. Carl Eklund was scientific leader of Wilkes Station, one of the U.S. Bases set up in Antarctica during the International Geophysical Year. He was chosen for this responsible assignment on the basis of his accomplishments during Admiral Byrd's 1939-41 Antarctic Expedition.

In this fine human-interest color film, Dr. Eklund captures a wealth of "deep-freeze" information and incidents, among which are: a descent into an Antarctic ice pit dating to the year 1783; a miniature broadcasting station transmitting a temperature signal from within a penguin egg; and the amazing performance of a "weasel", an over-snow vehicle, breaking through sea ice at 30° below.

Dr. Eklund, as a tribute to his contribution to Antarctic exploration, has had a group of islands in King George VI Sound named for him.

ACADEMY HOST: Mr. Benjamin Draper and the staff of the Television Department. (Members and guests)

### MORRISON PLANETARIUM

"STORIES OF THE STARS" continues through April 2. Here is an opportunity to see the many brilliant constellations which shine now beyond the wintry skies, and to learn many of the fascinating facts and legends surrounding them. For the first time since its opening, constellation figures in color are being projected on the great 65-foot dome of San Francisco's Theatre of the Sky.

Performances daily, Tuesday through Sunday, at 3:30 and 8:30 p.m., with extra matinees at 11:00 and 12:30 (the new "budget" shows primarily designed for children at a cost of only 20¢ each person) and at 2:00 p.m. on Saturdays and Sundays. (Adults, 75¢, Juniors, 40¢)

### SPECIAL EXHIBITS

"MATHEW BRADY PORTRAITS", an exhibit of 15 portraits by the eminent 19th century American photographer. In Lovell White Hall of Man and Nature. (Admission free)

"SPRING FLOWER AND BULB SHOW", presented by the California Horticultural Society, March 18, 19 and 20. Lovell White Hall. (Admission free)

## NEWS and NOTES . . . . .

Without question, star billing in this month's NEWS AND NOTES belongs to the Student Section. Javier Penalosa, a member of the Section for the past three years, has been the recipient of a research award granted by the Academy and by the American Association for the Advancement of Science, for a floristic study of the Tiburon peninsula, Marin County, California. Such awards are made by the AAAS on the recommendation of the various state Academies affiliated with that organization. Preference is given to young scientists beginning their research.

Javier, who is 17, was particularly interested in geology when he first came to the Section, but shortly afterward found the study of botany to be irresistible. He was graduated from George Washington High School last January and will enter college this coming September. Though he has not as yet made his final selection as to the school, his major is firmly established: Botany.

On February 21, Director of the Academy, Dr. Robert C. Miller addressed the Board of Managers of the Washington Academy of Sciences, Washington, D.C. His subject: "The Odyssey of an Idea: An Historical Resume of the California Academy of Sciences."

While there, Dr. Miller attended a meeting of the Executive Committee of the Academy Conference, a national organization of Academies of Science of which he is President.

The following letter was received at the Academy from a little girl in New Jersey. It is quoted in its entirety, other than signature: "May I have information about water or anything in it or near it if you have it (especially fish)? Sincerely yours."

Dr. Frank Sauer, the nationally known behaviorist, has joined the staff of the Academy to be active in a continuance of the contract with the U.S. Air Force Office of Scientific Research and Development which is devoted to the study of astronavigation by migratory birds. The original project was begun a year ago at the Academy and initiated by Dr. William Hamilton with whom Dr. Sauer will be collaborating in the future.

Dr. Sauer spent the past year at the University of Wisconsin on a similar project dealing with the Pacific Golden Plover. His studies were made possible by a National Science Foundation

Grant. Bobolinks are the birds involved in the current research at the Academy.

### "LIVING FISHES OF THE WORLD"

by Dr. Earl S. Herald, will be published on March 24. 140,000 words, 300 photos, 145 of them in full color. Place your order now through the Academy which will reserve its profits for a scientific publications fund. Special price to members: \$11.70, which includes tax and postage.

The fourth Annual Banquet of the Student Section was held on Saturday, February 18. Dr. Robert I. Bowman of the Department of Biology, San Francisco State College, was guest speaker. He discussed his expeditions to the Galapagos Islands.

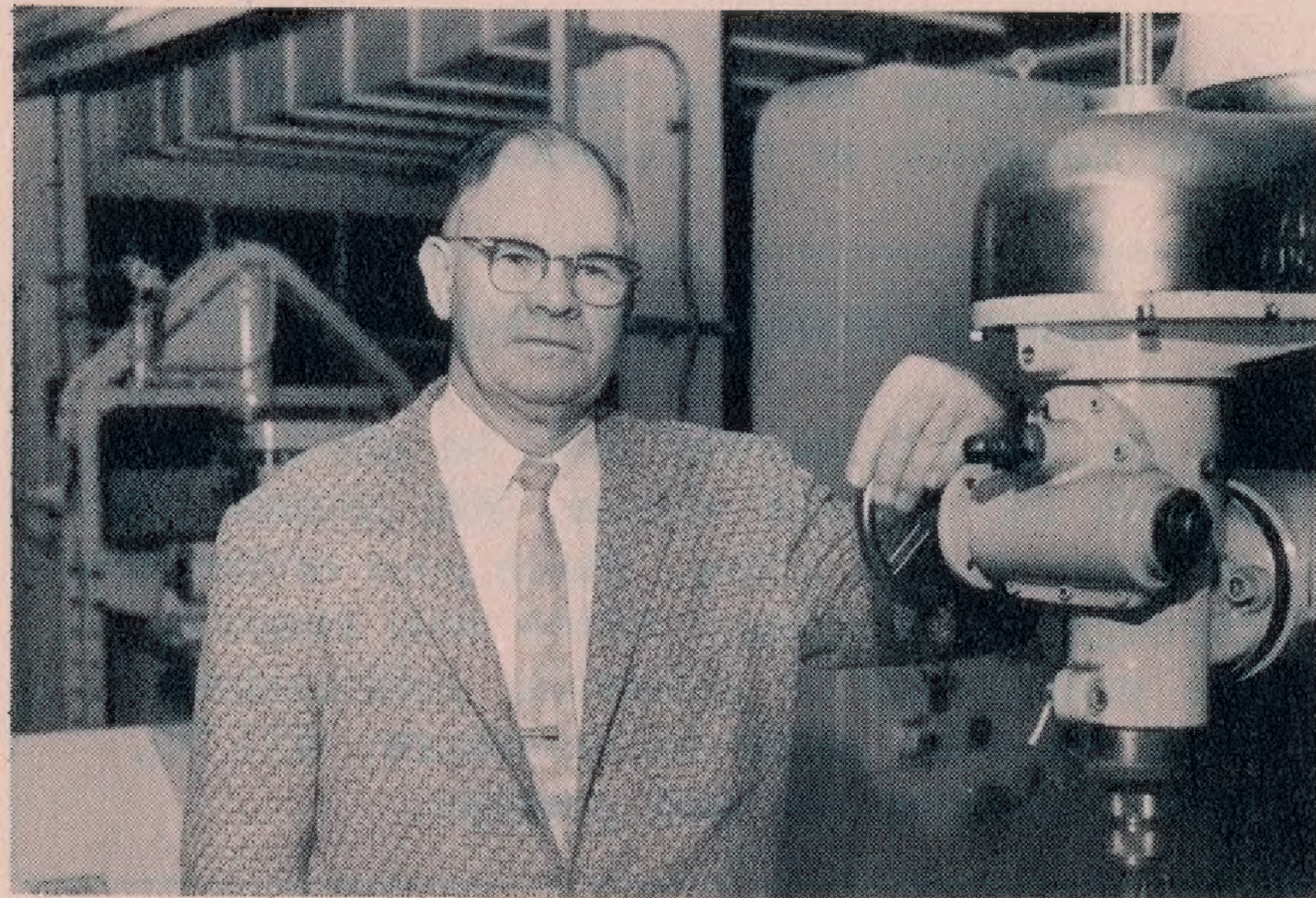
The March issue of the NATIONAL GEOGRAPHIC MAGAZINE will be of particular interest since it features an important picture story by the Academy's Dr. Edward S. Ross, Curator of the Department of Entomology. Entitled "Hunting Africa's Smallest Game", the article attests further to Dr. Ross' superior talent with lens and shutter in the 30 color photos which comprise the article. Included are several photos taken during Dr. Ross' most recent expedition to the island of Madagascar, a taste of which was given to the membership at the December, 1960 meeting when he was featured speaker.

Dr. Ross is now busily engaged in plans and preparation for his forthcoming entomological expedition to tropical Asia.

Several members of the Academy and of its staff are involved in the Fourth Lecture Series, "Land and Life of California", being presented by the Liberal Arts Extension of the University of California. The current series devoted to the High Sierra, includes lectures by Dr. Robert T. Orr on "Mammals of the Sierra Nevada"; Dr. R.L. Usinger, "Alpine Insects of the Sierra Nevada"; and Dr. Herbert L. Mason, "Plant Life of the Sierra Nevada". Don Greame Kelley, editor of PACIFIC DISCOVERY, will act as Coordinator for the San Francisco meetings. The same lectures are being given in Kentfield and in Berkeley.



## Meet the Staff



ALVIN C. GUNDRED, Superintendent of the Academy's Instrument and Wood-working Shops, and Technical Supervisor for the Morrison Planetarium, has performed extensive and varied services for the Academy since he first became associated with it in 1948. He was one of a team of five individuals who initially worked on the design and construction of the Morrison Planetarium projector.

When very young, Al, the eldest of 12 children, moved from his birthplace in Racine, Wisconsin to southern California. In order to help supply his family's needs, he was a youthful projectionist for early silent films. This is an interesting sidelight in that he is still projecting film - the ones seen at the monthly Academy meetings.

He served overseas with the Air Force after World War I, and was discharged in San Francisco, where, with his wife, Regina, he has remained since. After brief employment with a motion picture producing company for whom he constructed an early wind machine for stirring up Sierra Nevada snow, he became an automobile electrician for a local concern.

He joined the war effort in 1941 by becoming foreman of the electrical shop at Hamilton Field, California.

Since 1948, his artisanship is found everywhere in the Academy: In the Foucault pendulum, the complex sound and speaker system, the special projectors in the Planetarium, to mention but a few. He has helped in the construction of four other Foucaults found in U.S. Museums and presently is occupied in the construction of a fifth which he will install in the Museum of Natural History and Technology at the Smithsonian.

## NEW MEMBERS OF THE ACADEMY

### REGULAR MEMBERSHIP

Mr. Edgar Adamson	Mr. H. Howard McCully
Mrs. Wanda L. Bradley	Dr. Roger B. McKenzie
Mr. Keith Bryan	Dr. J. Minton Meherin
Dr. Charles G. Coit	Mr. Benjamin T. Mosley
Mr. William De Mello	Mr. Donald M. O'Shea
Mr. John H. Devitt	Mr. Louis Rapp
Miss Jean Emms	Mr. Otis D. Read
Mr. Michael B. Garrett	Mrs. Agnes Robertson
Mr. Maynard C. Harding	Mr. Bestor Robinson
Dr. Eugene S. Hopp	Dr. Melvin Somers
Mr. W. Ray Junk	Mr. Arthur M. Tingley
Mrs. Philip C. Knapp	Dr. Lance E. Rose
Mrs. C. Stanley Kulp	Mr. Oskar Ury
Mr. Pierre Layton	Mr. Robert Virgil
Mr. L.O.B. Lindstrom	Mr. Morris Weitzner
Mr. Lawrence B. Mailliet	Mr. William T. White
Mr. T. Nathan Young	

### FAMILY MEMBERSHIP

Dr. and Mrs. Stanley Berkowitz	Dr. Albert C. Pedley
Mr. James Bishop	Mr. Don Phillips
Mr. Donald J. Brewer	Mr. John C. Pogue, Jr.
Mr. John F. Christopher	Dr. John W. Severinghaus
Rev. and Mrs. D. C. Crummey	Miss Edith L. St. Cyr
Mr. Thomas Dalton	Mr. Arthur A. Sinclair
Mr. G. M. Ellis	Mr. George Stewart
Dr. Edward E. Hause	Mr. Stanley H. Swanson
Mr. John S. Hensill	Mr. Allen D. Torlakson
Dr. Chester E. Herrod	Dr. Frank W. Van Kirk, Jr.
Mr. Sing-Jok Ju	Mr. Ren Wakefield
Miss Anne Kilby	Dr. and Mrs. W. J. Wedell
Dr. John Langdell	Mr. Bill Williams
Mr. Gary Palmer	Mr. Robert H. Youden

### LIFE MEMBERSHIP

Mr. Carroll Soo Hoo	Dr. Joel F. Gustafson
Mrs. Robert C. Miller	

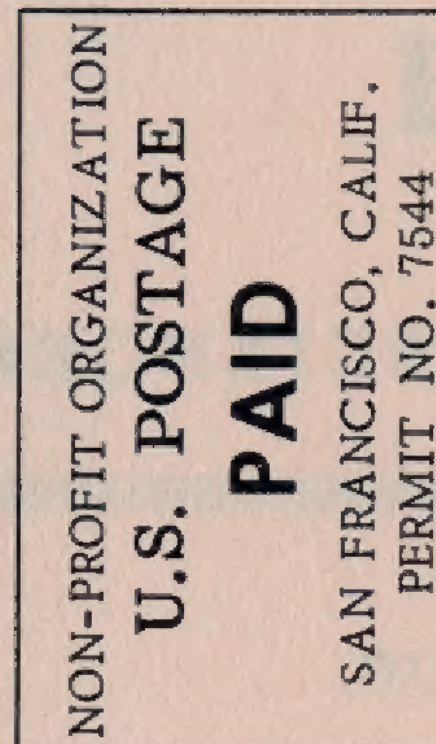
### STUDENT MEMBERSHIP

Michael Rudine

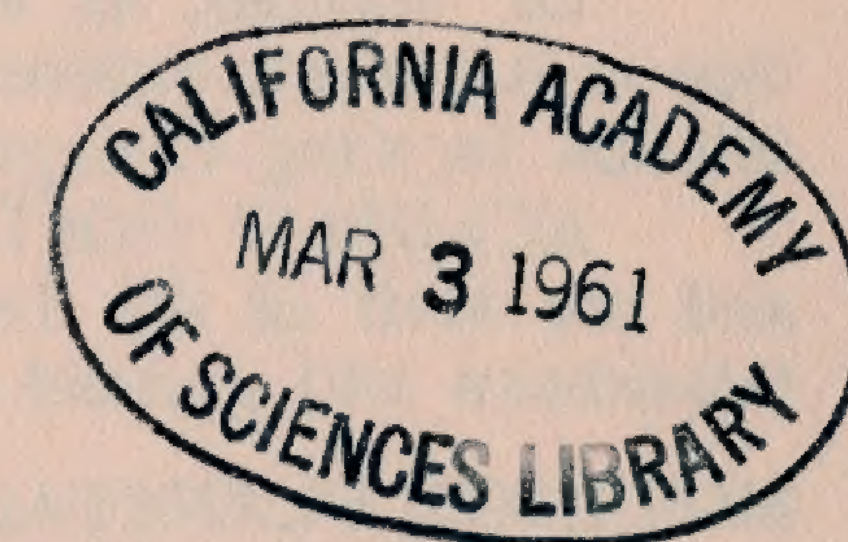
THE CALIFORNIA ACADEMY OF SCIENCES  
GOLDEN GATE PARK  
SAN FRANCISCO 18

Open every day of the year  
10:00 a.m. to 5:00 p.m.

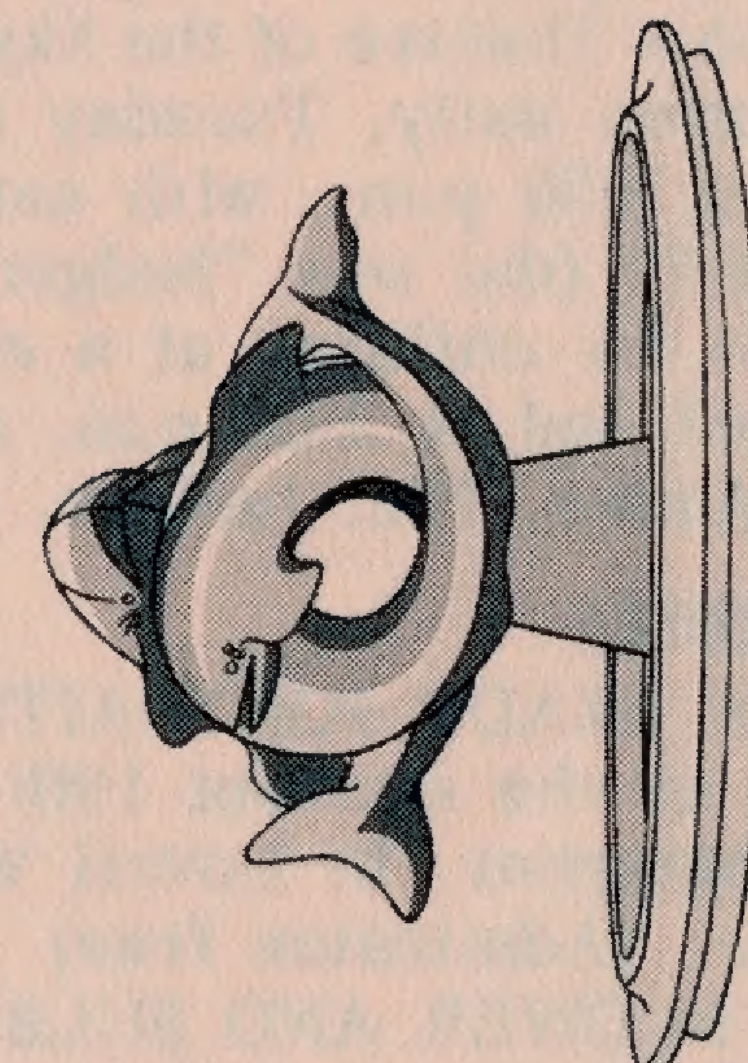
Admission Free



Ref.  
Q 11  
C22  
no. 255



Academy  
NEWSLETTER



Published Monthly by

THE CALIFORNIA ACADEMY OF SCIENCES  
GOLDEN GATE PARK  
SAN FRANCISCO 18

March, 1961

No. 255